

Converting Colors

$Y_{xy}(44.4279, 0.5050, 0.4224)$

Have a look what the booklet for
Yxy(44.4279, 0.5050, 0.4224)
contains.

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Color

Yxy(44.5111, 0.5048, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A26
RGB	255, 154, 38
RGB Percent	100%, 60%, 15%
CMY	0.0000, 0.3960, 0.8511
CMYK	0.00, 0.40, 0.85, 0.00
HSL	32°, 100%, 57%
HSV	32°, 85%, 100%
XYZ	53.1438, 44.5111, 7.6221
YIQ	170.9750, 97.4320, -14.6640

Conversions

Conversions Part 2

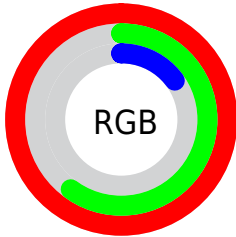
Format	Color
R _Y B	227, 255, 38
Decimal	16751142
CIE Lab	72.57, 30.15, 70.28
CIE LCh	73, 76.474, 66.778
Yxy	44.5111, 0.5048, 0.4228
Android (android.graphics.Color)	4294941222 (0xFFFF9A26)
YUV	170.9750, -65.5567, 73.6899
Hunter-Lab	66.7166, 25.4319, 39.9281

Details

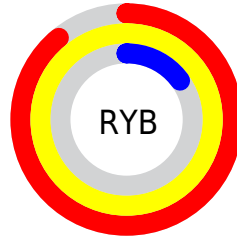
The Yxy color **44.5111, 0.5048, 0.4228** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.0858, 0.1843, 0.1713**, and the grayscale version is **41.0110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6872, 0.4287, 0.4390**, and **20.7092, 0.5319, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **40.6758, 0.5247, 0.4185**, and if you desaturate by 10%, it is **48.8507, 0.4812, 0.4216**.

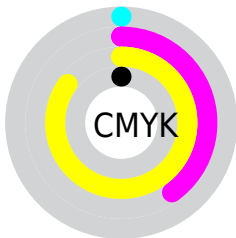
Distribution



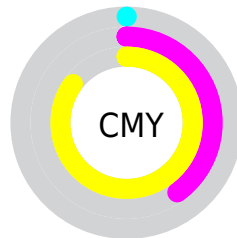
- Red (100%)
- Green (60%)
- Blue (15%)



- Red (89%)
- Yellow (100%)
- Blue (15%)



- Cyan (0%)
- Magenta (40%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5111, 0.5048, 0.4228 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 44.5111, 0.5048, 0.4228 by changing the saturation by 10% instead.


 44.5111, 0.5048,
0.4228


 44.5111, 0.5048,
0.4228


364.7899, 0.4155,
0.3896

 31.0725, 0.5226,
0.4257


 81.9863, 0.4753,
0.4147


 20.6541, 0.5425,
0.4265


 106.7917, 0.4633,
0.4104


 12.8714, 0.5673,
0.4255


 136.1548, 0.4527,
0.4063

 7.3400, 0.5873,
0.4127

 170.4600, 0.4434,
0.4025

 3.6757, 0.6105,
0.3895

 210.0917, 0.4352,
0.3989

 1.4938, 0.6471,
0.3529

 255.4343, 0.4279,

 0.2844, 0.7815,

0.3955

0.2185

306.8723, 0.4214,
0.3924

■ 0.0000, 0.0000,
0.0000

■ 44.5111, 0.5048,
0.4228

■ 44.5111, 0.5048,
0.4228

■ 40.6758, 0.5247,
0.4185

■ 48.8507, 0.4812,
0.4216

■ 38.9626, 0.5333,
0.4148

■ 53.7180, 0.4555,
0.4153

■ 59.1419, 0.4291,
0.4052

■ 65.1460, 0.4035,
0.3925

■ 71.7521, 0.3795,
0.3785

78.9805, 0.3576,
0.3639

86.8504, 0.3381,
0.3495

95.3799, 0.3207,
0.3357

99.9989, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.5111, 0.5195, 0.3498



44.5111, 0.5048, 0.4228



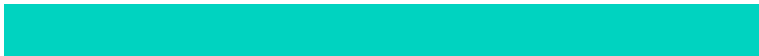
44.5111, 0.4373, 0.4943

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.5111, 0.5048, 0.4228



44.5111, 0.1756, 0.3594



44.5111, 0.2505, 0.1876

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.5111, 0.5048, 0.4228



26.0858, 0.1843, 0.1713

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.5111, 0.1797, 0.1762



44.5111, 0.5048, 0.4228



44.5111, 0.1423, 0.2529

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.5111, 0.5048, 0.4228



44.5111, 0.2483, 0.4810



44.5111, 0.1447, 0.1948



44.5111, 0.3548, 0.2248

Rectangle

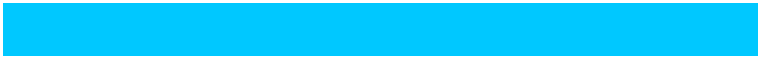
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.5111, 0.5048, 0.4228



44.5111, 0.3767, 0.5264



44.5111, 0.1447, 0.1948



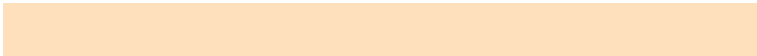
44.5111, 0.2227, 0.1808

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.5134, 0.5048, 0.4228



78.3123, 0.3595, 0.3652



24.5153, 0.4760, 0.2504



16.2150, 0.3669, 0.3703



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.5134, 0.5048, 0.4228



38.9645, 0.5333, 0.4148



91.5690, 0.4109, 0.5035



19.5955, 0.3281, 0.3417



20.6619, 0.5309, 0.4167



2.2306, 0.5147, 0.4295

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.0858, 0.1843, 0.1713



20.3327, 0.1731, 0.1430



9.1672, 0.1595, 0.0737



18.7711, 0.2979, 0.3160



10.9164, 0.1739, 0.1460



1.2790, 0.1798, 0.1674

Previews

White Background



This preview shows how the Yxy color 44.5111, 0.5048, 0.4228 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 44.5111, 0.5048, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5111, 0.5048, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 44.5111, 0.5048, 0.4228.



This preview shows how white text looks on a background with the Yxy color 44.5111, 0.5048, 0.4228.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

44.5111, 0.5048, 0.4228

Protanopia

44.7014, 0.4298, 0.4757

Deuteranopia

44.4722, 0.4673, 0.4571



Tritanopia

44.5277, 0.4143, 0.3199

Trichromacy



Original Color

44.5111, 0.5048, 0.4228

Protanomaly

44.1323, 0.4577, 0.4558

Deuteranomaly

44.4881, 0.4811, 0.4447

Tritanomaly

44.2649, 0.4569, 0.3669

Monochromacy



Original Color

44.5111, 0.5048, 0.4228

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.8969, 0.3878, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5111, 0.5048, 0.4228 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 154, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 38)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 154, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 38) }
```

Border

The CSS property to change the border of an element to Yxy 44.5111, 0.5048, 0.4228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 154, 38) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 154, 38) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 154, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5111, 0.5048, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 38) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
154, 38) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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